

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000255

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F05B 55/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 3938655 A1 (OY WÄRTSILÄ AB), 31 May 1990 (31.05.1990) --	1,10
Y	EP 1031686 A2 (KABA GEGE GMBH), 30 August 2000 (30.08.2000) --	1,10
A	DE 19858174 A1 (DORMA GMBH + CO KG), 29 June 2000 (29.06.2000) --	
A	US 5113676 A (PANOSSIAN), 19 May 1992 (19.05.1992) --	



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

23 August 2004

Date of mailing of the international search report

24 -08- 2004

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

Christer Wendenius/EK

Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000255

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>FI 83802 B (OY ABLOY SECURITY LTD), 15 May 1991 (15.05.1991)</p> <p style="text-align: center;">-- -----</p>	

INTERNATIONAL SEARCH REPORT
Information on patent family members

03/07/2004

International application No.

PCT/FI 2004/000255

DE	3938655	A1	31/05/1990	CH	680522 A	15/09/1992
				FI	83802 B,C	15/05/1991
				FI	885477 A	26/05/1990
				FR	2639668 A,B	01/06/1990
				GB	2225375 A,B	30/05/1990
				GB	8926584 D	00/00/0000
				HK	80593 A	13/08/1993
				IT	1236818 B	02/04/1993
				IT	8922489 D	00/00/0000
				SE	466762 B,C	30/03/1992
				SE	8903772 A	26/05/1990
				SG	49693 G	25/06/1993
				US	5083448 A	28/01/1992
<hr/>						
EP	1031686	A2	30/08/2000	AT	3502 U	25/04/2000
				AT	31799 A	15/08/2000
				AT	407549 B	25/04/2001
				EP	1052074 A	15/11/2000
<hr/>						
DE	19858174	A1	29/06/2000	AT	259023 T	15/02/2004
				DE	59908469 D	00/00/0000
				DK	1056915 T	14/06/2004
				EP	1056915 A,B	06/12/2000
				SE	1056915 T3	
				WO	0036253 A	22/06/2000
<hr/>						
US	5113676	A	19/05/1992	CA	2058575 A	01/07/1992
<hr/>						
FI	83802	B	15/05/1991	CH	680522 A	15/09/1992
				DE	3938655 A,C	31/05/1990
				FI	885477 A	26/05/1990
				FR	2639668 A,B	01/06/1990
				GB	2225375 A,B	30/05/1990
				GB	8926584 D	00/00/0000
				HK	80593 A	13/08/1993
				IT	1236818 B	02/04/1993
				IT	8922489 D	00/00/0000
				SE	466762 B,C	30/03/1992
				SE	8903772 A	26/05/1990
				SG	49693 G	25/06/1993
				US	5083448 A	28/01/1992